

IN THE SPECIFICATION

1. Please replace the paragraph beginning on page 5, line 21 with the following replacement paragraph:

FIG. 3 shows a data packet transmission flow chart diagram illustrating one embodiment of a packet data transmission algorithm in accordance with a preferred embodiment of the present invention. FIG. 3 provides further detail on how the packet prioritization and transmission algorithm 100 solves the problem of delaying transmission of a lower priority data packet while a higher priority data packet is being transmitted. The process begins with step 102 where a data packet is transmitted. At step 104, a second data packet having the high priority begins to be transmitted. For the purpose of this example, assume the second data packet has a higher priority than that of the data packet having the low priority. Once it is determined that the second data packet has a higher priority than the first data packet, the first data packet is prematurely ended. The remaining portion of the first data packet is then stored. This portion of the process is illustrated in steps 106 and 108 of FIG. 3. After the packet header is flagged, the higher priority data packet is transmitted. This is shown in step ~~112~~ 110 of FIG. 3. Once the second data packet is transmitted, the remainder of the first data packet is transmitted to a signal recovery device (step 112).